Ext & final Bill code: 016-18-000005

EE/RRND/WO.No/000013/18-19 Dt: 8/8/18.

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250501

Serial No. Beautification and construction of compound wall with Grill to Indira canteen

Name of work ...15 ward no - 16.... From ..... To .....

Name of Contractor of nature of Agency The Technical Manger. K.R.I.D.ltd "Hyd"

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	①: Dismantling burnt brick masonry in clay mortar / lime mortar/ cement mortar and stacking the bricks with in a radius of 50mt and removing the debries to a distance upto 200mt etc complete:						
	Qty same side Item no ① of this m.B. vide page no:						250596
					qty:	12.77 m²	
					@ 168/48		Rs 2151=00
	②: Removing B.S. slab of drain and stacking.						
	Qty same side Item no ② of this m.B. vide page no:						250596
					qty:	33.50 m²	
					@ 66/96		Rs 2243=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3): Earth work in surface excavation in ordinary soil for levelling and covering the ground manually and removing the excavated distance not exceeding 50m and lift upto 1.5m. excavated surface levelled and neatly dressed disposal earth to be levelled after breaking of clods and neatly dressed as per specification:						
	Abj same wide Item no (3) of their N.I.B. wide page no. 250596/1						
	Abj:				315.am³		
	Cb 169/56						Rs 53411=00
	(14): Earth work excavation for the foundation of the building water supply sanitary line and electrical conduits other in all its arm tenders 1.5m wide and above in width in hard soil not exceeding 1.5m in depth including cleaning the bottom and sides of the pits and trenches shoring the excavated soil clear from the excavations with head upto 50m after breaking of clods complete.						
	Abj same wide Item no (4) of their N.I.B. wide page no.						250596/1
	Abj:				116.71m³		
	C 335/64						Rs 35671=00

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250502

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5): Providing and laying in position P.C.C. of mix 1:3:6 with ope comb- e 20mm with 10mm and down size granite metal coarse aggregate @0.892 m³ and fine aggregate @0.465 m³ machine mixed concrete laid in layers not exceeding 15cm thickness well compacted in foundation including cost of all materials labour tools & machinery curing etc complete.						
	Abj same wide Item no (5) of their N.I.B. wide page no. 250597						
	Abj:				13.28m³		
	Cb 5449/65						Rs 12,522=00
	(6): Providing and constructing granite/ typ/ basalt rubble stone masonry in basement with 5cm thick plinth of stones chisel dressed in courses not less than 15cm high and stones at 2mt in each courses including cost of materials labour curing etc complete.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty same as the Item no ① of the m.B. vide page no: 250597						
						Qty : 74.37 m³	
						@ Rs 5405/40	Rs 4,02,000=00
②	providing and laying in position RCC of mix 1:2:4 with 12mm and down size graded granite metal coarse aggregate @ 0.87 m³ and fine aggregate @ 0.53 m³ machine mixed concrete laid in layers not exceeding 15cm thick well compacted in layers for foundation plinth & CMs including cost of all materials labour. Hoisting machinery curing complete as per specification:						
	Qty same as the Item no ③ of the m.B. vide page no: 250597/1.						
						Qty : 11.50 m³	
						@ Rs 5976/20	Rs 65,577=00
③	providing raked pointing to cement rubble masonry raking joints to depth 12mm etc complete:	stone masonry work curing including				with CM 1:3 2cm mortar cost of all materials labour curing	

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250503

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty same as the Item no ② of the m.B. vide page no: 250597/1.					Qty : 60.30 m²	
						@ Rs 105/84	Rs 6882=00
③	providing and constructing load bearing well with solid concrete blocks density not less than 1900 kg/m³ having a minimum average compressive strength of 5 N/mm² conforming to IS 2185 : 2005. and constructed with CM 1:4 on IS 2572 : 2005 including cost of materials labour charges scaffolding curing complete as per specification.	1	16.00	–	2.10	33 sqm	
		1	17.50	–	2.10	36.75 sqm	
		1	20.50	–	2.10	43.05 sqm	
						112.4 m²	Rs 1011.6=00

@ Rs 597/48

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	Retaining stone slabs of drain and pointing in cm.						
	adj some side Item no (9) of this M.B. side page no: 250/501						
	adj:					33.5 m²	
							Rs 2,750 =a
	CR 82/08						
(11)	Supply collecting and spreading good quality Gravel and formation etc complete						
	adj some side Item no (9) of this M.B. side page no: 250/598						
	adj:					316.4 m³	
	CR 308/88						Rs 97,730=a
(12)	Supply collecting and spreading good quality stone dust / grit and formation etc complete						
	adj some side Item no (10) of this M.B. side page no: 250598/1						
	adj:					260.4 m³	
	CR 989/28						Rs 2,57,609=a

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250504

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	Fabricating pricking and erecting in position of hot dip galvanized mild steel						
	security grill using 25 x 12mm ms flat for all round frame work with vertical						
	and horizontal centre Support ms square of 20 x 20 mm of different lights as shown in						
	the drawing are to be fixed at 15cm c/c for bottom rods providing ornamental CI						
	designs at the bottom and CI arrows in the middle and top. The centre frame work should be						
	fixed by means of expansion bolts to the brick pillars with necessary drilling holes. The						
	work includes providing 2 coats of enamel paint over & except of the red leads main primer						
	coat etc complete cost of all labour charges using hoist pulley crane with all						
	and like loading transporting and unloading charges required for successful completion						
	and all clean incidental charges using hoist pulley crane scaffolding along						
	the specification:	1 x 1	16.0 m	—	2.10 m	33.6 m² x 50 % = 16.80 m²	Rs 2,80,470=a

CR 171/22

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14):	providing 15 mm thick cement plaster in single coat with cm 1:3 to brick masonry including rounding of corners wherever required smooth rendering providing and removing scaffolding including cost of materials labour curing etc complete						
		1	16.00	—	2.20	70.40 m²	
		1	17.50	—	2.20	77.00 m²	
		1	20.50	—	2.20	90.20 m²	
						237.60 m²	
						235.55 m²	
				deduct for:			
					@ 262/5		Rs. 62,071=00
(15):	providing and applying putty two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matters including preparing the surface even and sand papering smooth cost of all materials labour etc complete:						

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250505

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ceiling surface:						
		1	2.60	1.90	—	9.88 m²	
		1	5.35	0.60	—	6.42 m²	
		1	2.55	0.60	—	3.06 m²	
		1	1.60	1.80	—	2.88 m²	
		1	1.40	3.20	—	8.96 m²	
		1	4.00	2.40	—	9.60 m²	
		1	2.00	1.80	—	3.60 m²	
		1	4.25	5.10	—	21.68 m²	
	Walls:						
		1	33.45	—	3.00	100.35 m²	
		1	4.00	—	1.00	8.00 m²	
		1	5.60	—	1.80	10.08 m²	
						196.54 m²	
		1	10.55	—	2.50	26.38 m²	
						221.93 m²	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Deduct: D:	4 nos	1.10	1/2	3.0 -	6.6 m²	
	D.	3 no²	0.75	1/2	2.0 -	2.36 m	
	W:	2 nos	0.8	1/2	2.4 -	1.92 m	
						10.88 m²	
					not clg:	284.85 m²	
					clg deduct:	210.25 m²	
					Ch 97/20	Rs 20,436 = 00 .	
(16):	providing and finishing external walls in two coats with a clear proof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dust and loosed powdered materials free from mortar drops and other foreign matters cost of all materials labour complete						
	1×1	35.0	-	4.5 -		157.5 m²	
	1×6	0.6	-	3.0 -		10.80 m	
	1×8	0.6	-	1.0 -		4.50 m	
	1×2	1.10	-	1.0 -		2.20 m	
	1×3	0.75	-	1.0 -		6.0 m	

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250506

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Add clg some wise	Item no (16)	all the	m. 13. wide	rate rs/-		
					clg:	227.60 m	
						418.90 m²	
	Deduct: D-	4 nos -	1.10	1/2	3.0 -	6.6 m	
	D.	3 no²	0.75	1/2	2.0 -	2.36 m	
	W.	2 nos	0.8	1/2	2.4 -	1.92 m	
						10.88 m²	
				not	clg:	408.02 m	
				clg	deduct	336.80 m²	
					@	97/12	Rs 85090=00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18):	providing and fixing to wall ceiling and floor medium density PVC pipe 6 kg/sq mm working pressure 16 mm outside diameter with spigot flange compression type fitting wall slops making good the wall ceiling and floor including cost of all materials labour charges of Hom of equipments and testing complete						
		1×1	30.0	–	–	30.0 mt	
		1×1	20.0	–	–	20.0	
						50.0 mt	By 32,562=00
(19):	providing and fixing C.P.V.C pipes conforming to IS 15477 & having thermal stability for hot & cold water supply in concealed work complete with all CPVC plain and brass threaded fitting that includes jointing of pipes and fitting with all necessary solvent cement & making testing of joints complete					@651/24	
		1×1	30.0	–	–	30.0	
		1×1	20.0	–	–	20.0	
						50.0 mt	By 9180=00.

@183/60

M. A. R. 57 (Rule 116) No. D 250507
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19):	providing and laying heavy duty cobble stone 75 mm thick in herring bone bond with hard wedges of blocks of approved size shape and colour with minimum compressive strength of 281 kg/sq mm and 50 mm thick sand bed and compacting with plate vibrator having 2 tone compaction laying dry sand under cover to come up in between joints & final compacting of paver surface complete.						
		1×1	16.0	2.6	–	41.6 sq m	
		1×1	16.0	3.6	–	57.6 sq m	
		1×1	16.0	1.5	–	24.0 sq m	
						123.2 sq m	By 1,29,064=00

@ Rs 1043/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(23)	providing and fixing the Granite benches.	126 nos	—	—	—	6 no's	
				@	10,550/-		Rs 63,300 = 00
(24)	Conveying the excavated earth silt debris and over burden earth to a lead of 10 to 15 km distance by using private vehicle includes cost of loading and unloading charges etc complete as per same item no (1+3+4) of this m.B. vide page no:						
	Qty:	12.22	+ 315.00 + 116.98	=		444.48 m³	
	Add Extra	1 no's	6.00	2.00	0.60 =	72.00 m³	
					Total Qty	516.48 m³	
		Less			Total Qty	515.61 m³	
		@	11.50/-		Total Rs	Rs 59,811=00	
						17,199,674=00	

Asst. Engineer
BMP, RR Nagar.

Asst. Engineer
KRIDL, BEML RR Nagar
Bangalore

M. A. R. 57 (Rule 116) No. D 250503
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Certificate						
	1) This is certify that the work done is satisfactorily						
	2) This is certify that there is no deposit of use of materials for the work						
	3) This is certify that the contractor cleared the all debris from the work spot						

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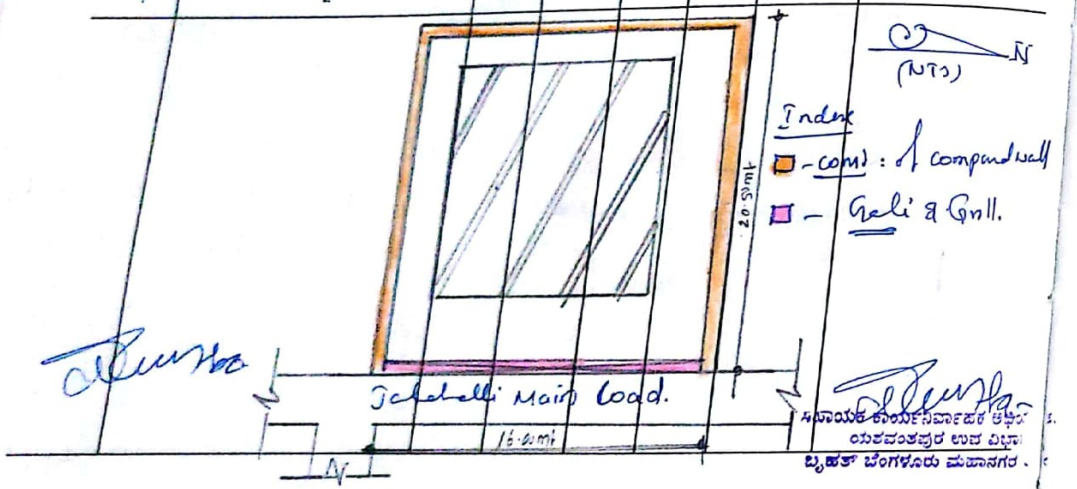
MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂ...
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ...

M. A. R. 57 (Rule 116)
Measurement Book

No. D 250503

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Bill Amt):	19,97,640=00
						IT:	39,955=00
						CGST:	19,980=00
						SGST:	19,980=00
						LWF:	19,980=00
						ESD:	99,885=00
						CBF:	2,000=00
						YR:	35,860=00
						Total Ded:	2,37,640=00
						Net Amt:	17,60,000=00

Admitted Rs. 19,97,640=00

Cheque Rs. 17,60,000=00

Seventeen Lakh Sixty Thousand only

Adjustment Rs 2,37,640=00

E. Prakash Kumar

Case worker | Accounts Superintendent | Exective Engineer

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